

FIG. 1

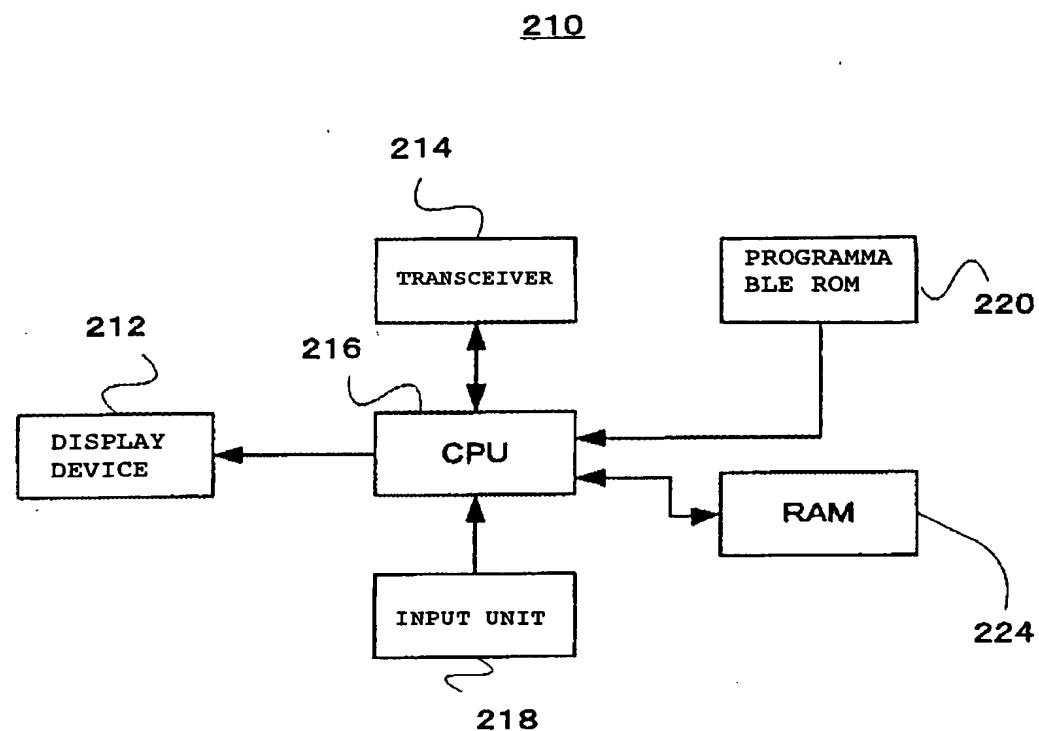
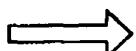


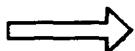
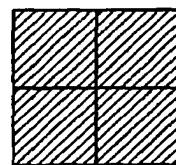
FIG. 2

<SIMPLE RESOLUTION CONVERSION STEP>

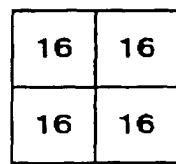
BEFORE PROCESS: ONE PIXEL



AFTER PROCESS: FOUR PIXELS



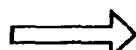
(GRAYSCALE VALUE:16)



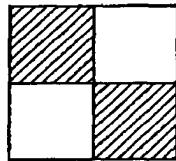
(a)

<RESOLUTION CONVERSION+VIEWING ANGLE RANGE ADJUSTMENT>

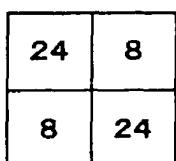
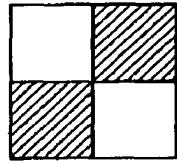
BEFORE PROCESS: ONE PIXEL



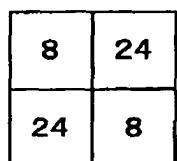
AFTER PROCESS: FOUR PIXELS



(OR)



(OR)

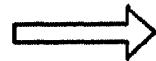
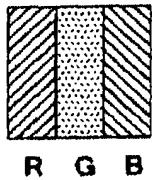


(b)

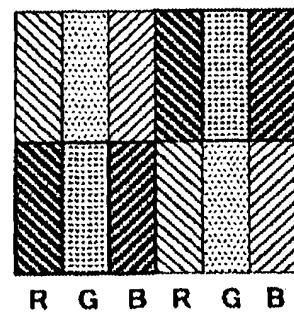
FIG. 3

<VIEWING ANGLE RANGE ADJUSTMENT FOR EACH RGB>

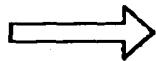
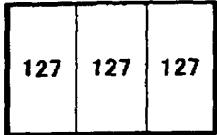
BEFORE PROCESS: ONE PIXEL



AFTER PROCESS: FOUR PIXELS



(GRAYSCALE VALUE: 127)



64	68	70	192	190	188
188	186	184	62	64	66

FIG. 4

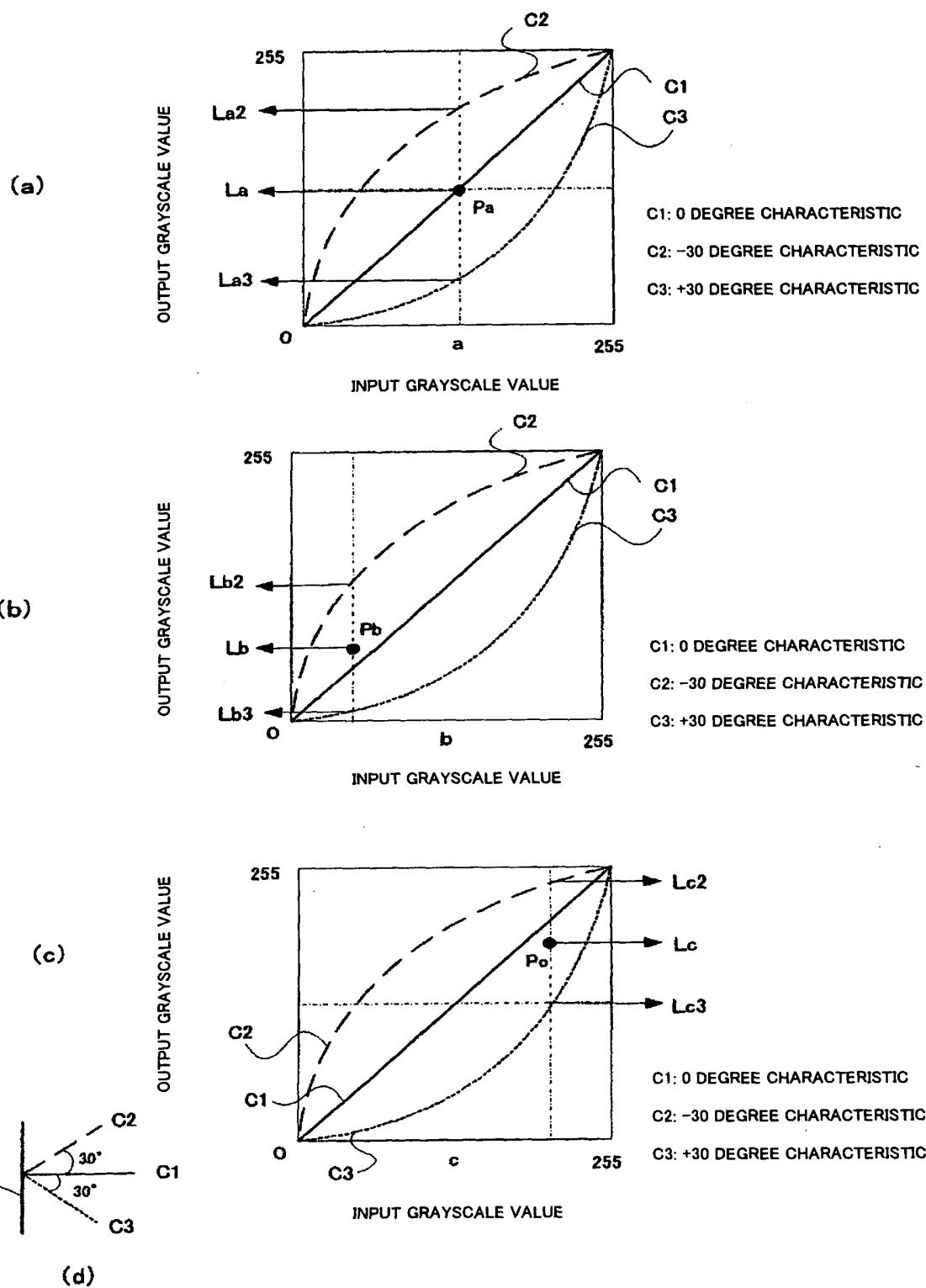
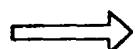


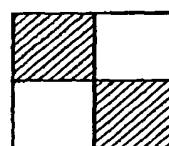
FIG. 5

<VIEWING ANGLE RANGE ADJUSTMENT IN CONSIDERATION OF DISPLAY CHARACTERISTIC>

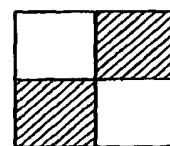
BEFORE PROCESS: ONE PIXEL



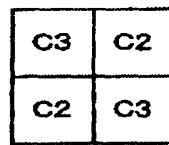
AFTER PROCESS: FOUR PIXELS



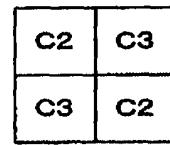
(OR)



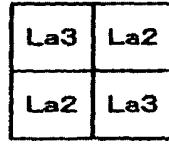
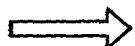
(a)



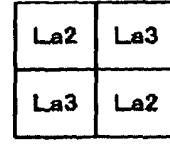
(OR)



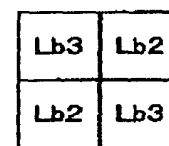
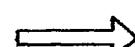
(b)



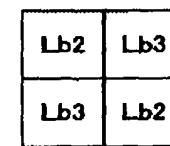
(OR)



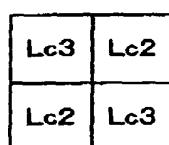
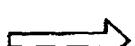
(c)



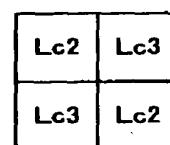
(OR)



(d)



(OR)



(e)

F I G . 6

<PATTERN FOR IMPROVING VIEWING ANGLE RANGE>

(BEFORE PROCESS: ONE PIXEL)

(AFTER PROCESS: FOUR PIXELS)

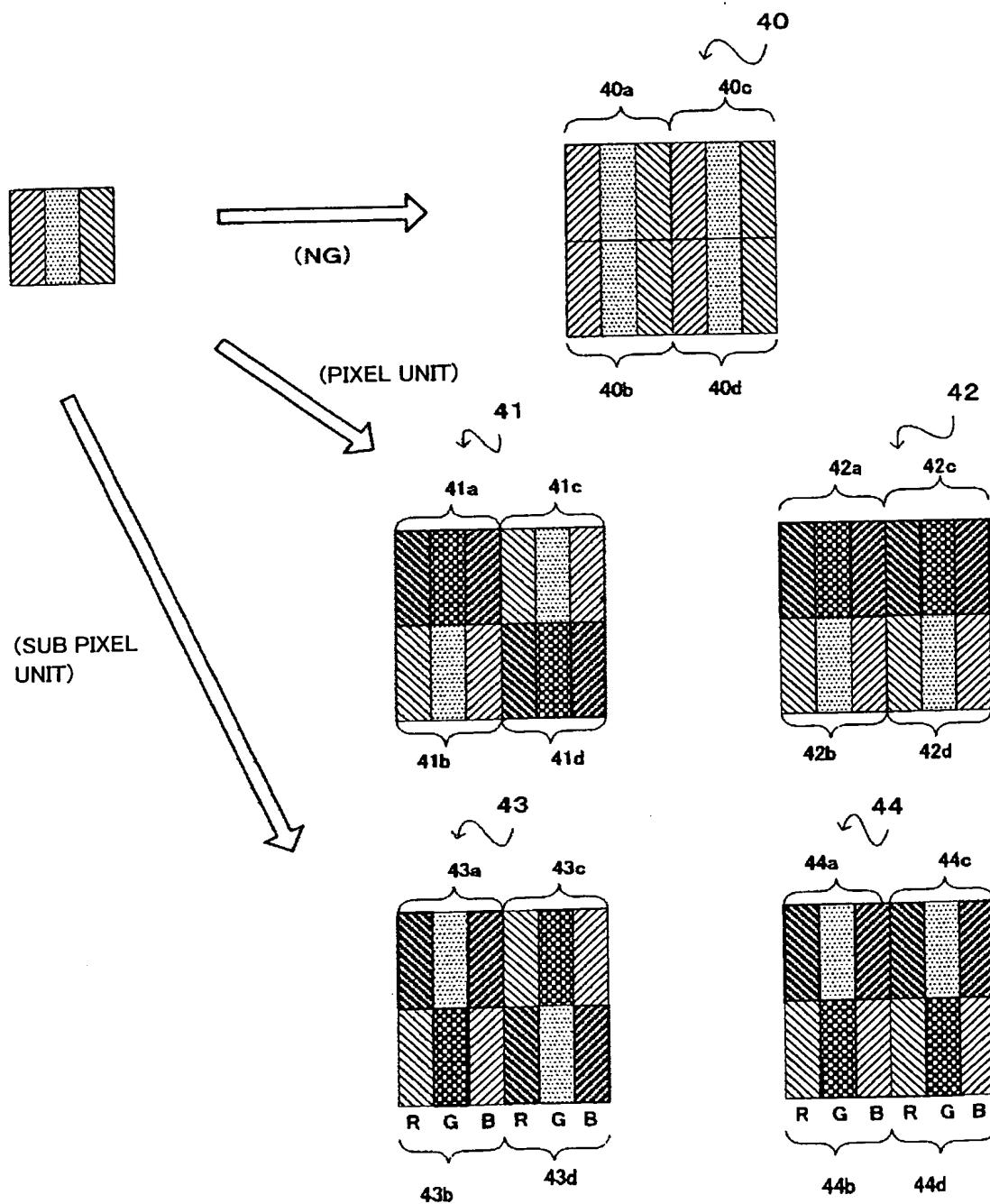
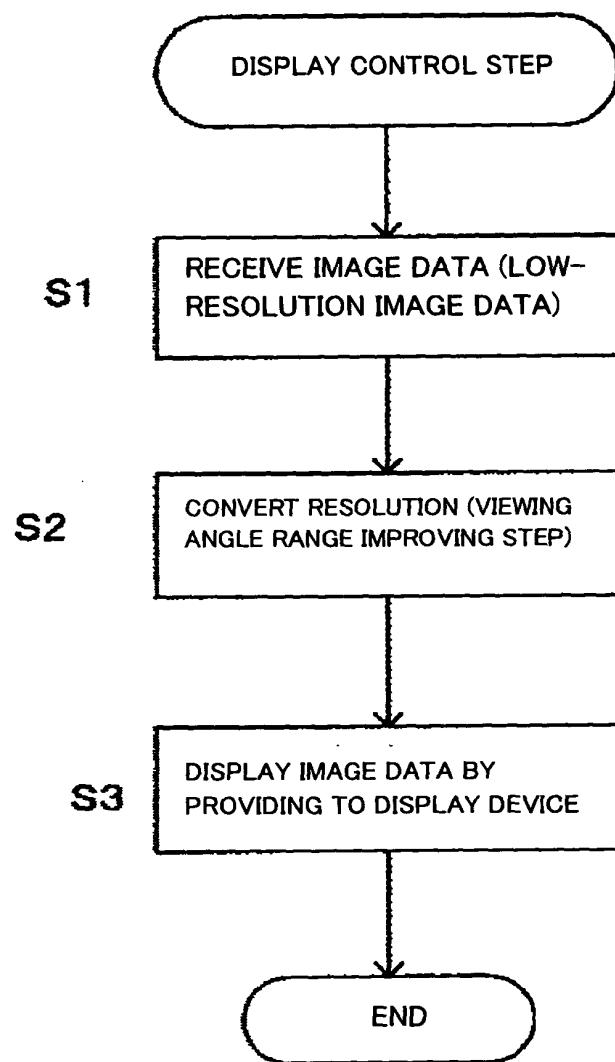


FIG. 7



F I G . 8

